



Rabbit Anti-Arabidopsis thaliana ERD5 Polyclonal Antibody (CABT-Z1017R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	KLH-conjugated synthetic peptide of ERD5 derived from Arabidopsis thaliana AT3G30775.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Unpurified
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:1000-1:2000
Molecular Weight	Expected M.W.: 50 kDa; Apparent M.W.: 48 kDa
Reconstitution	Reconstitution with 150 µl of sterile water.
Cellular Localization	Mitochondria
Format	Lyophilized
Size	150 µg
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 6 months, -20 to -70 °C under sterile conditions after reconstitution. 1 month, 2 to 8 °C under sterile conditions after reconstitution.

BACKGROUND

Introduction

Proline accumulation is one of the sensitive metabolic responses to extreme conditions; it is triggered by salinity or drought and is regulated by light. P5CS1 (AT2G39800) and PDH1 (AT3G30775) is essential for salt-induced proline accumulation. They control proline biosynthetic and catabolic pathways, respectively.

Keywords

ERD5;ARABIDOPSIS THALIANA PROLINE OXIDASE;AT-POX;ATPDH;ATPOX;EARLY RESPONSIVE TO DEHYDRATION 5;PDH1;PRO1;PRODH;PROLINE DEHYDROGENASE;PROLINE DEHYDROGENASE 1.

GENE INFORMATION

Gene Name

POX1

Entrez Gene ID

[822833](#)

UniProt ID

[P92983](#)
